

FIG. 1

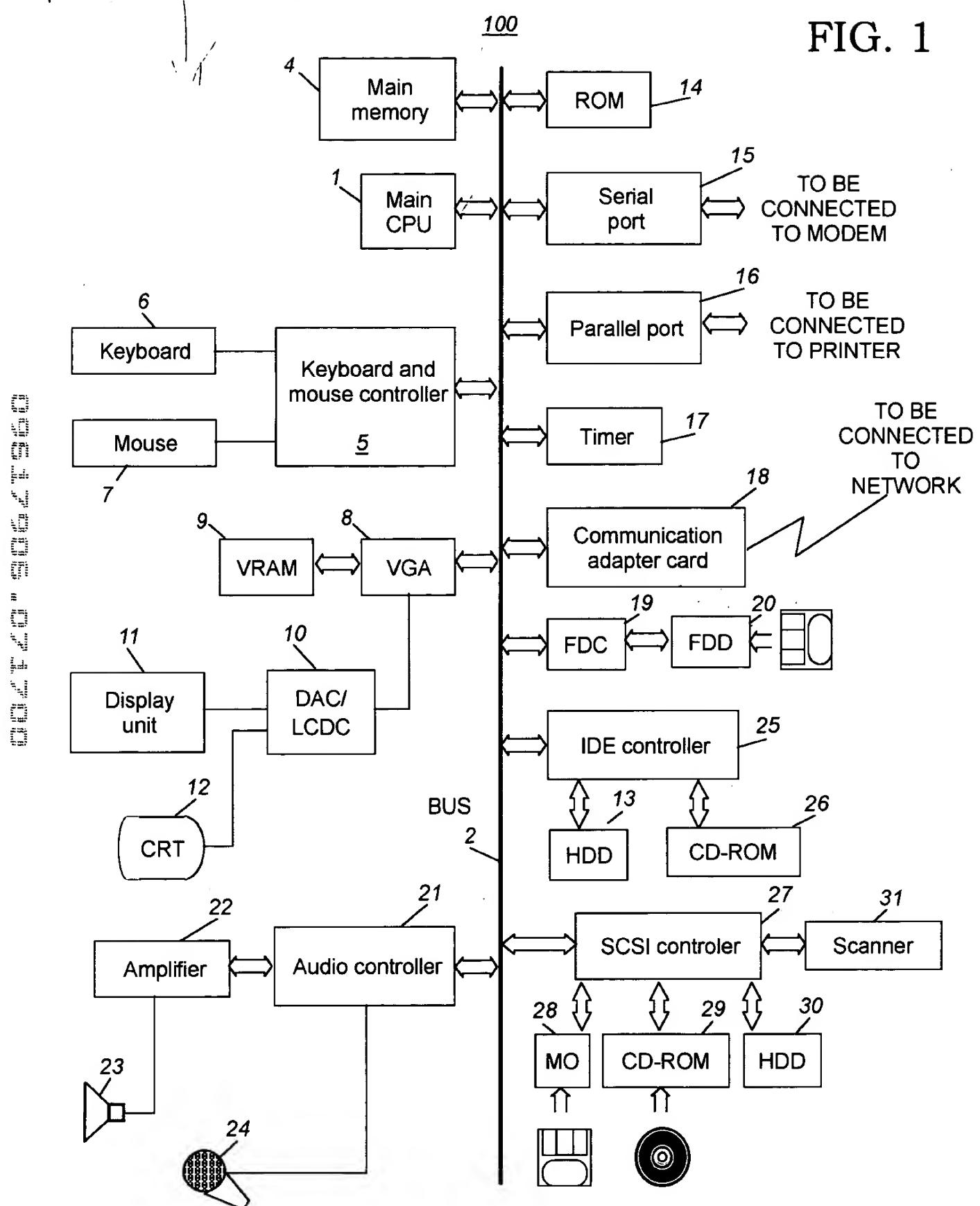


FIG. 2A

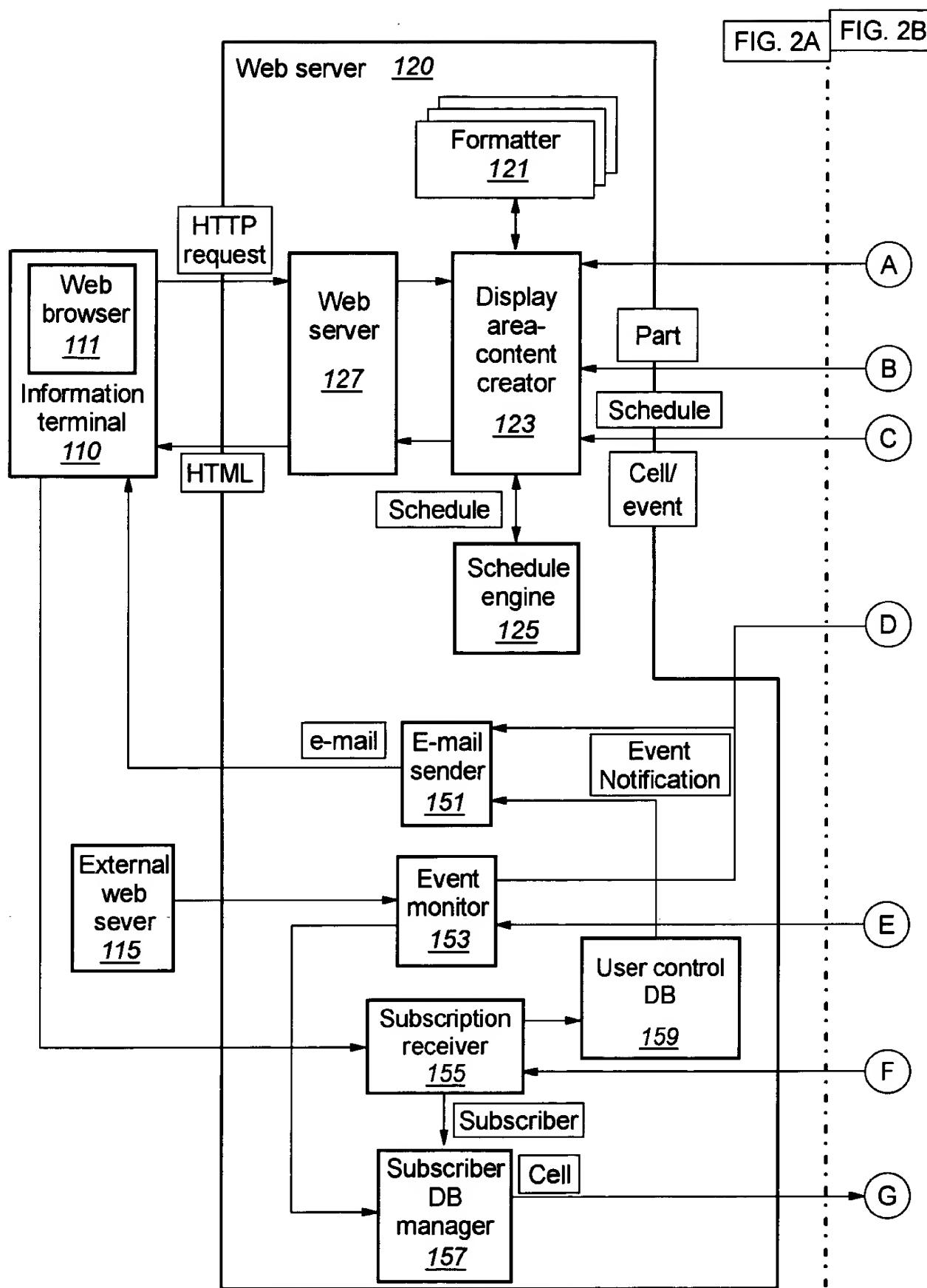


FIG. 2B

FIG. 2A FIG. 2B

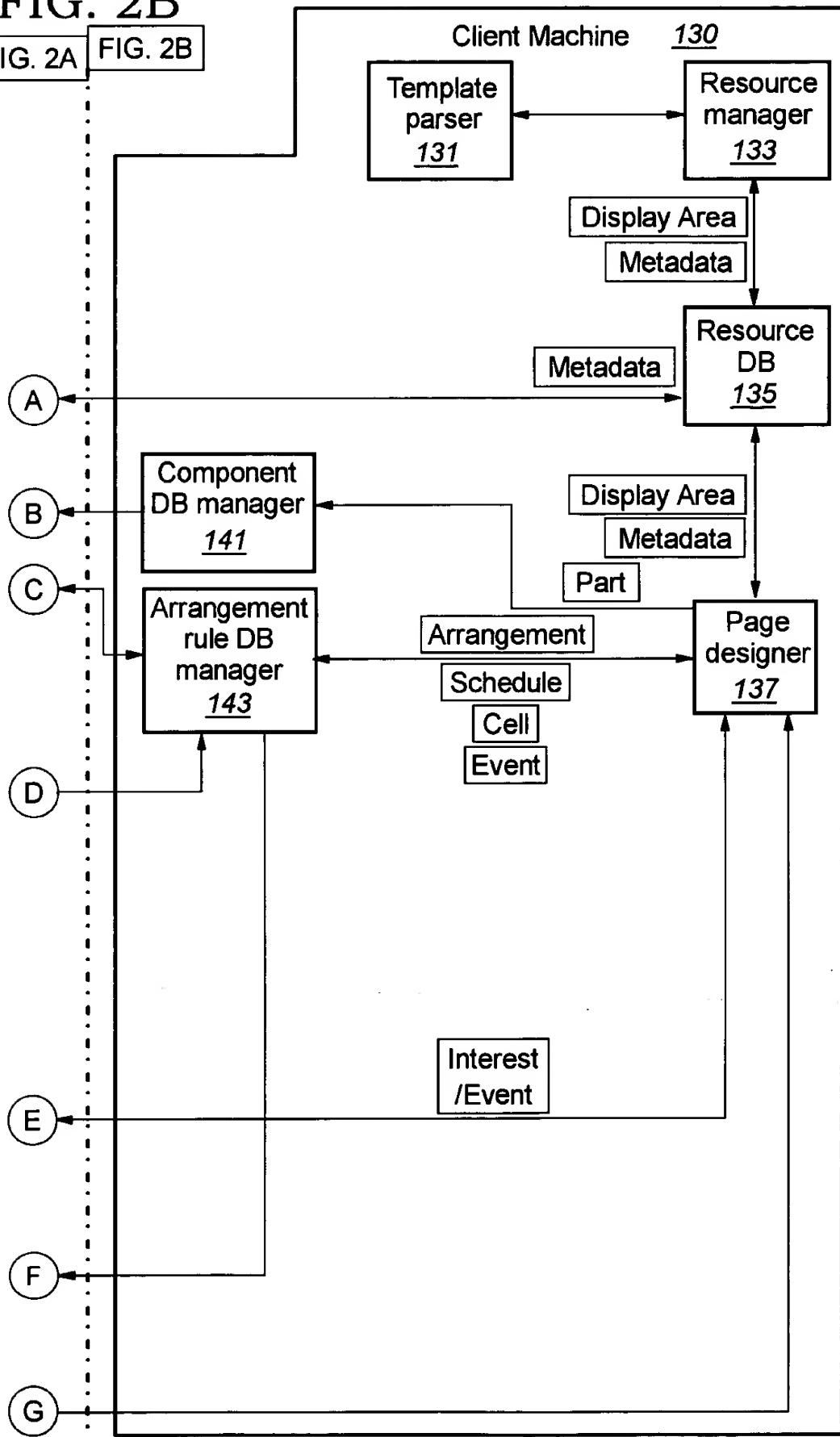


FIG. 3

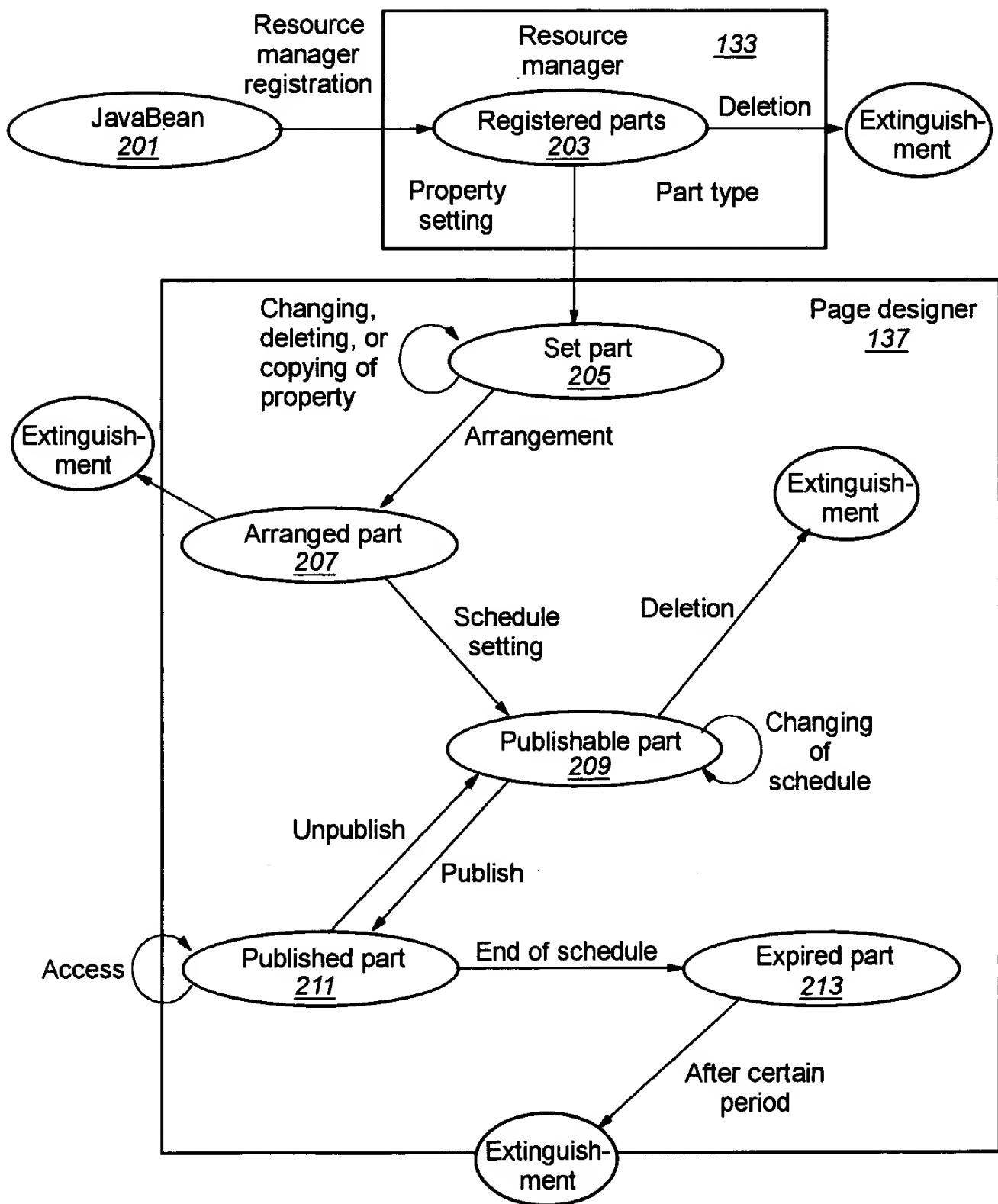


FIG. 4

Content creator

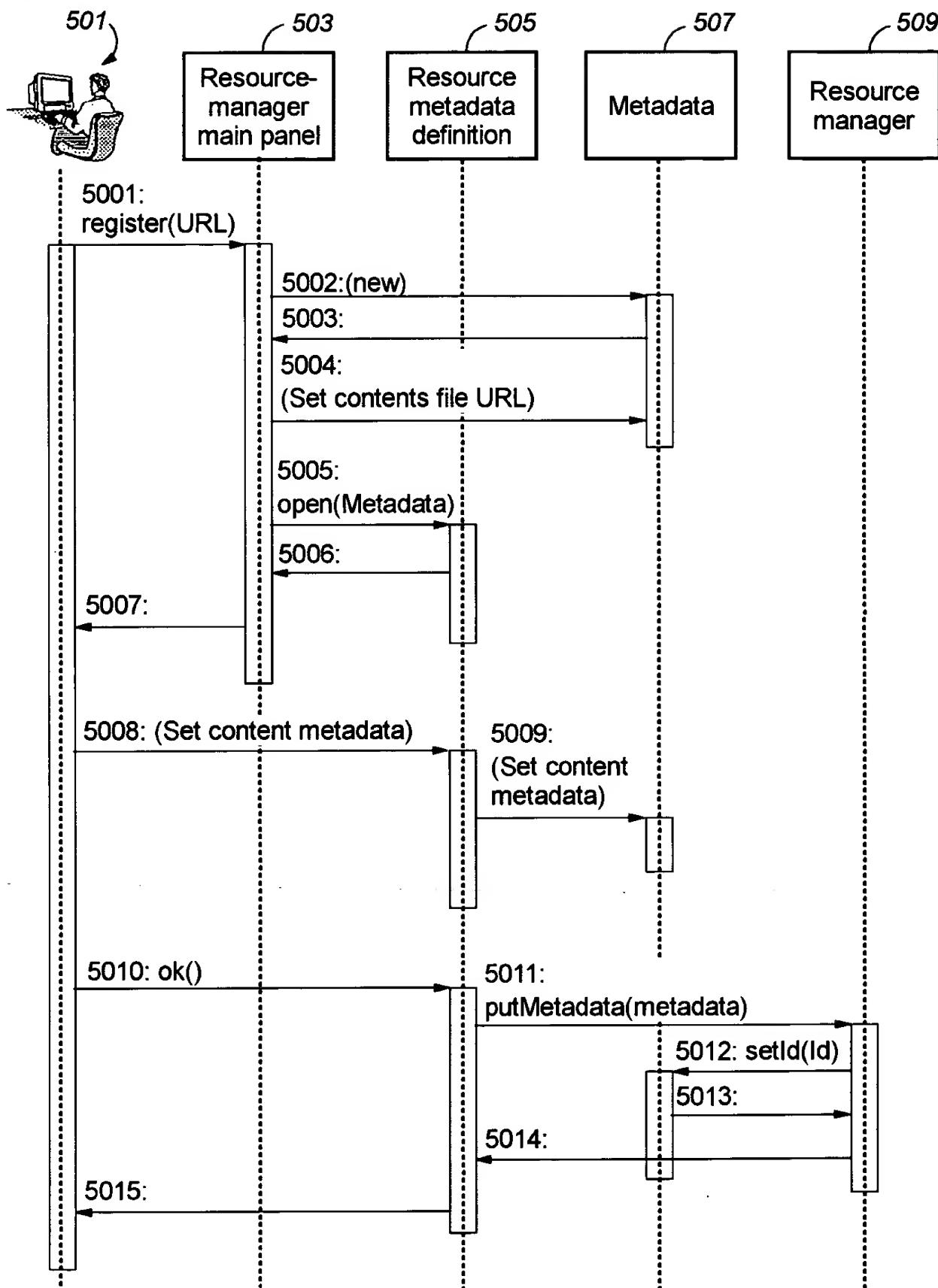


FIG. 5

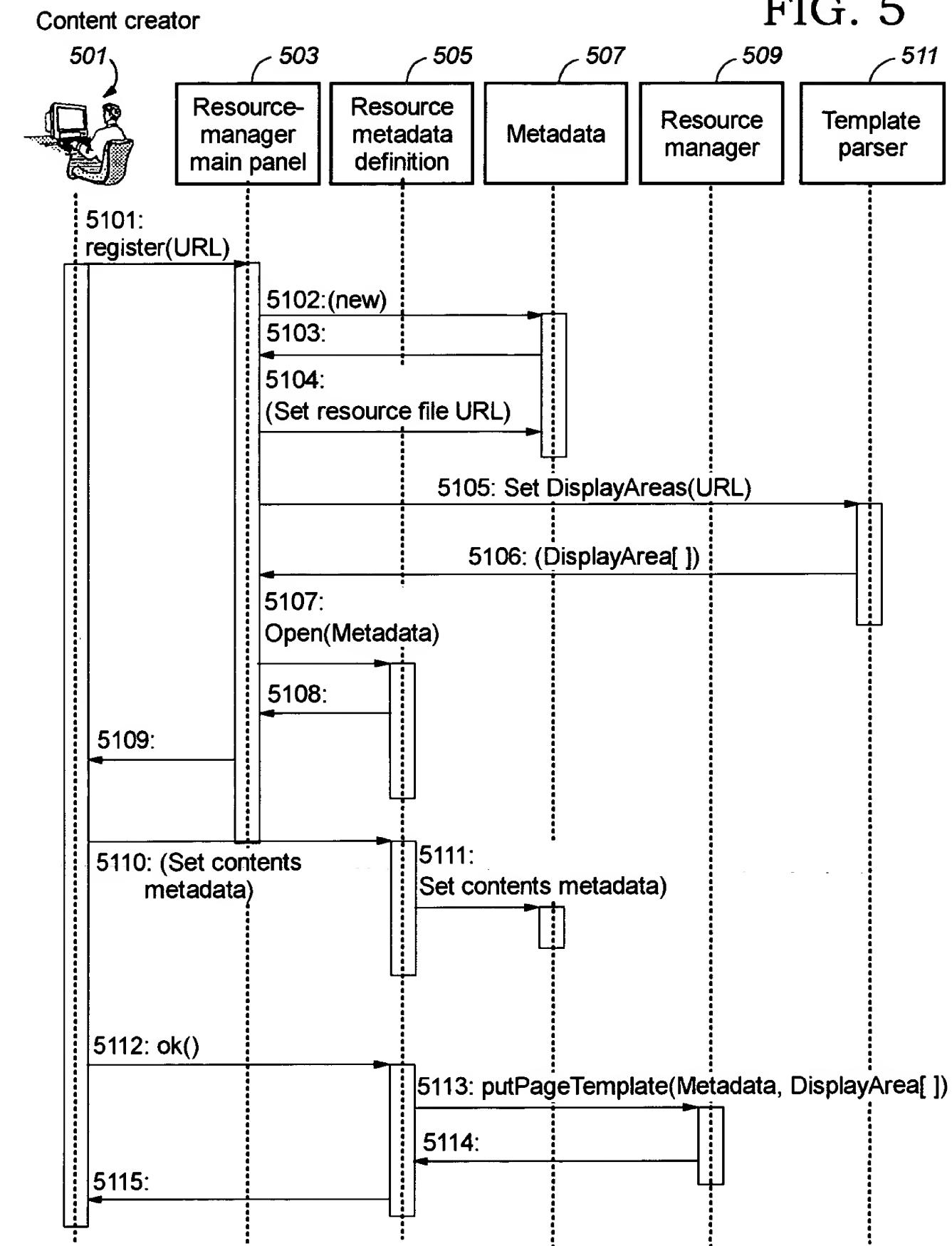


FIG. 6

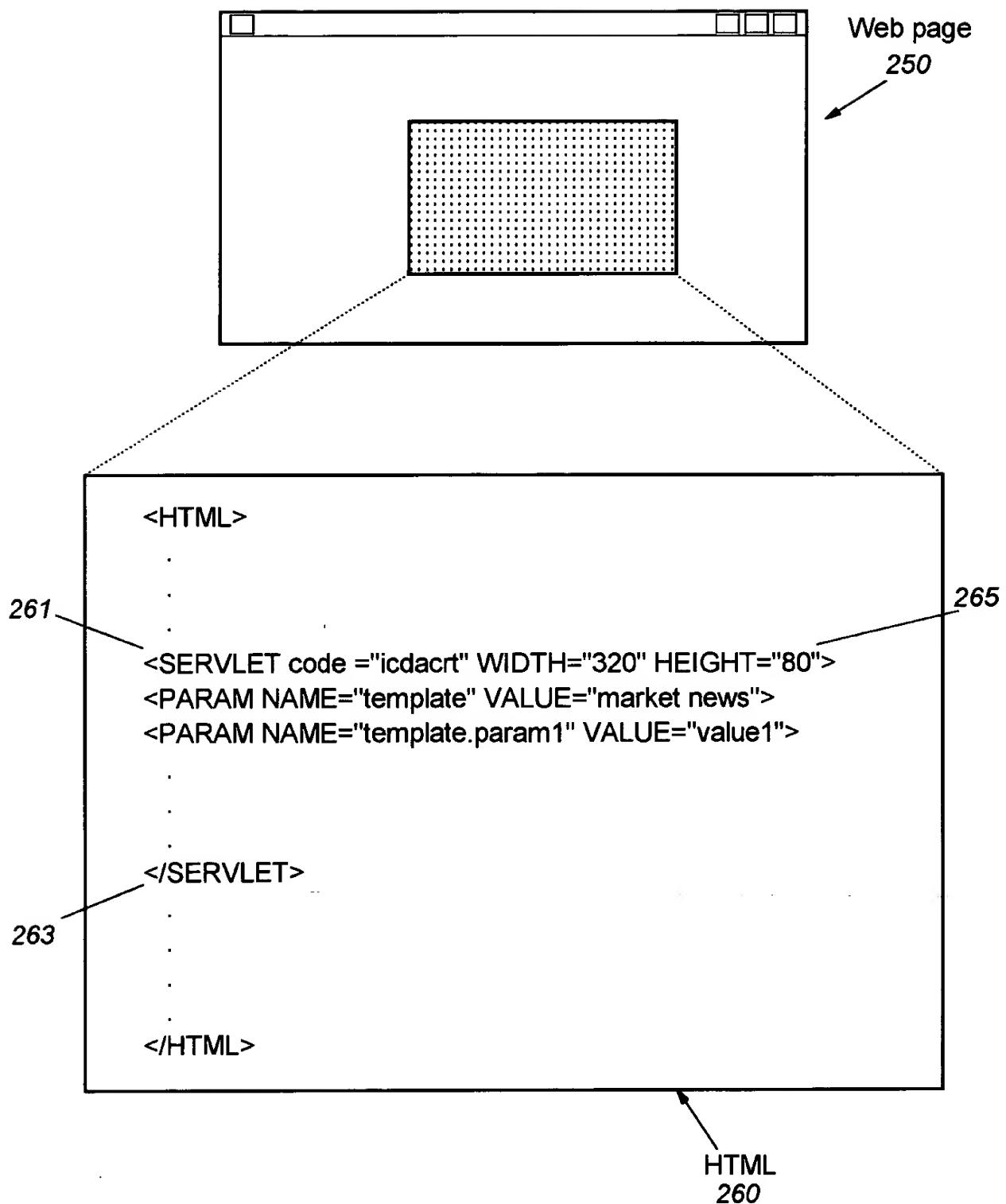


FIG. 7A

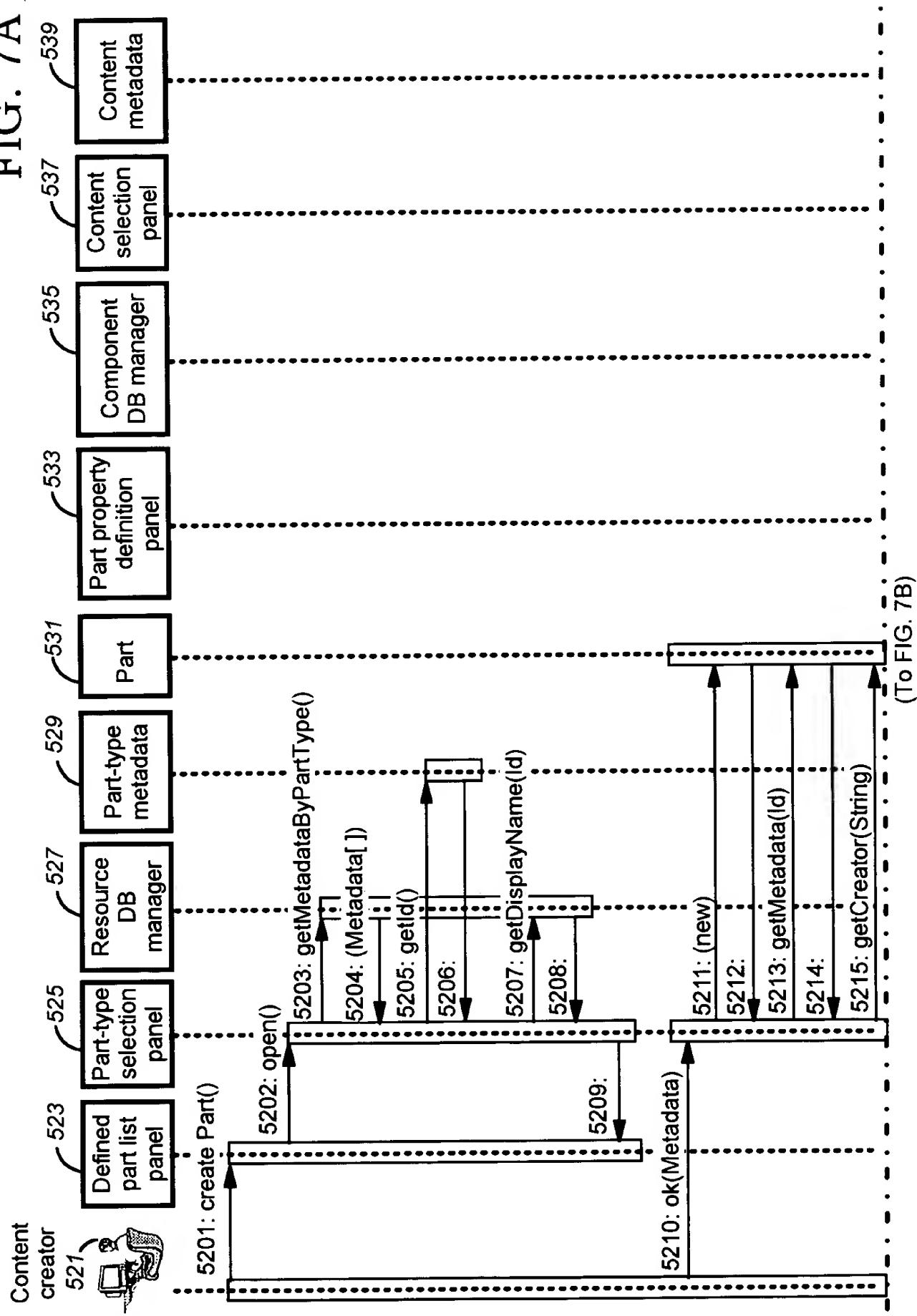


FIG. 7B

(From FIG. 7A)

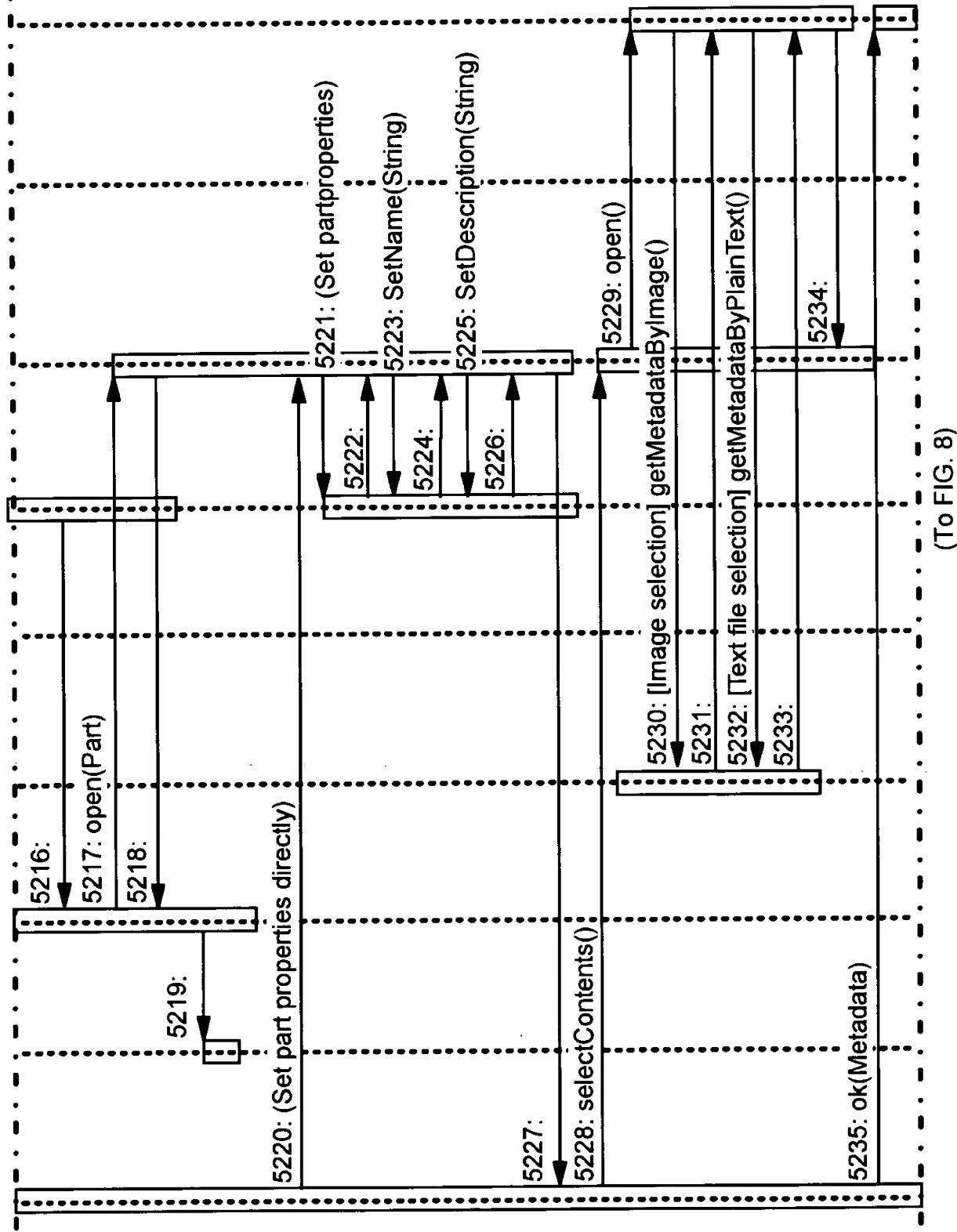


FIG. 8

(From FIG. 7B)

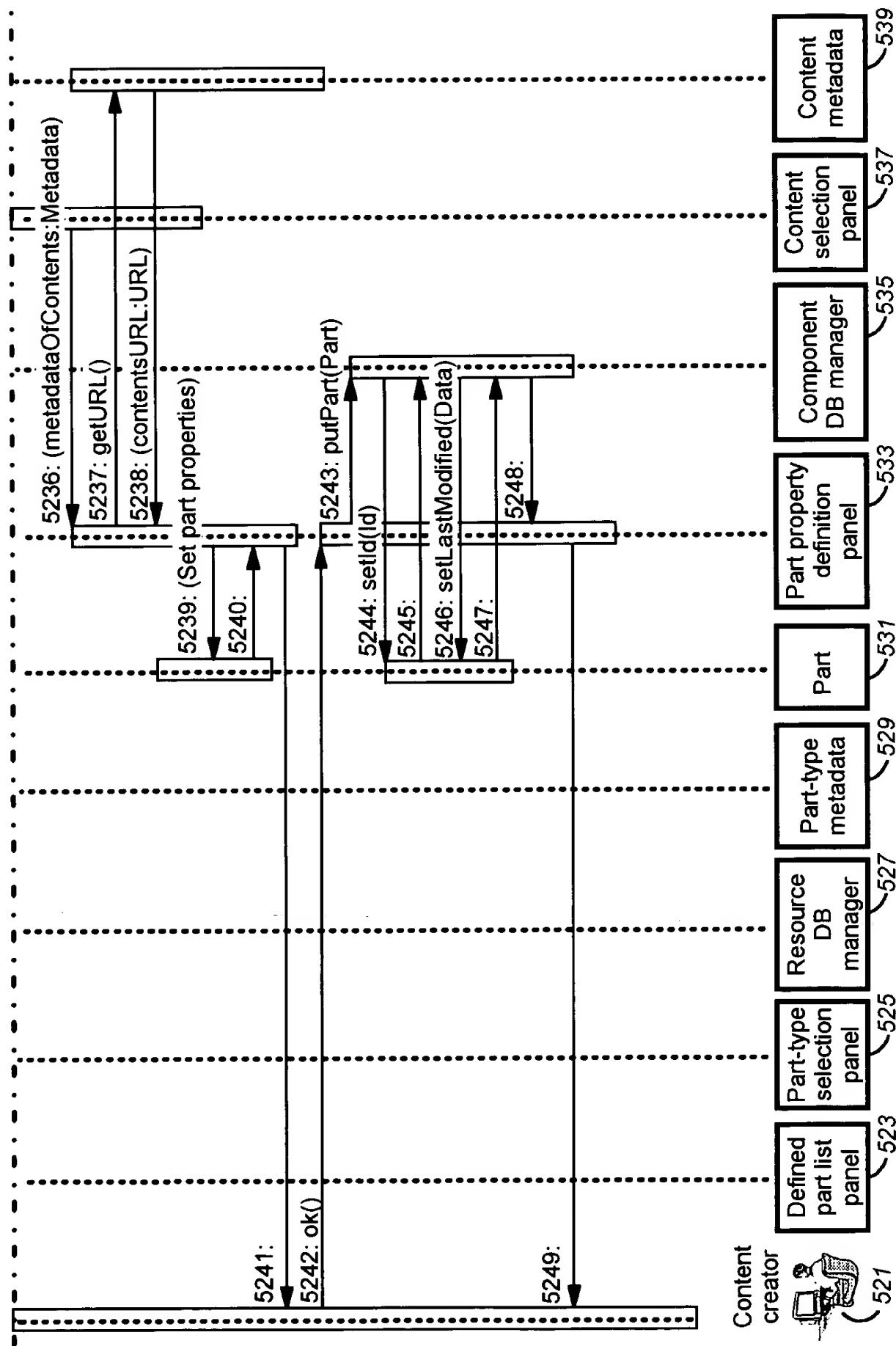


FIG. 9

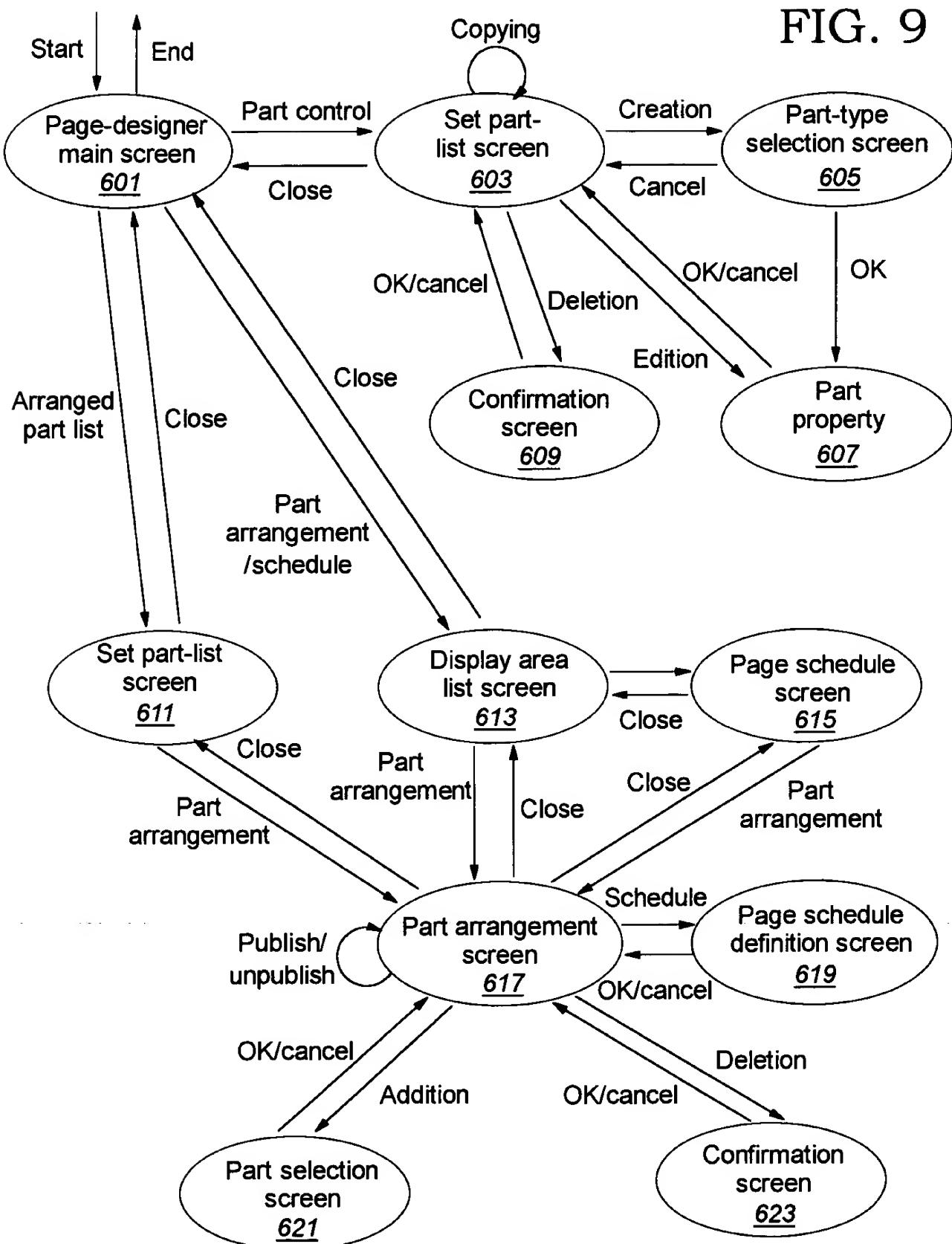


FIG. 10A

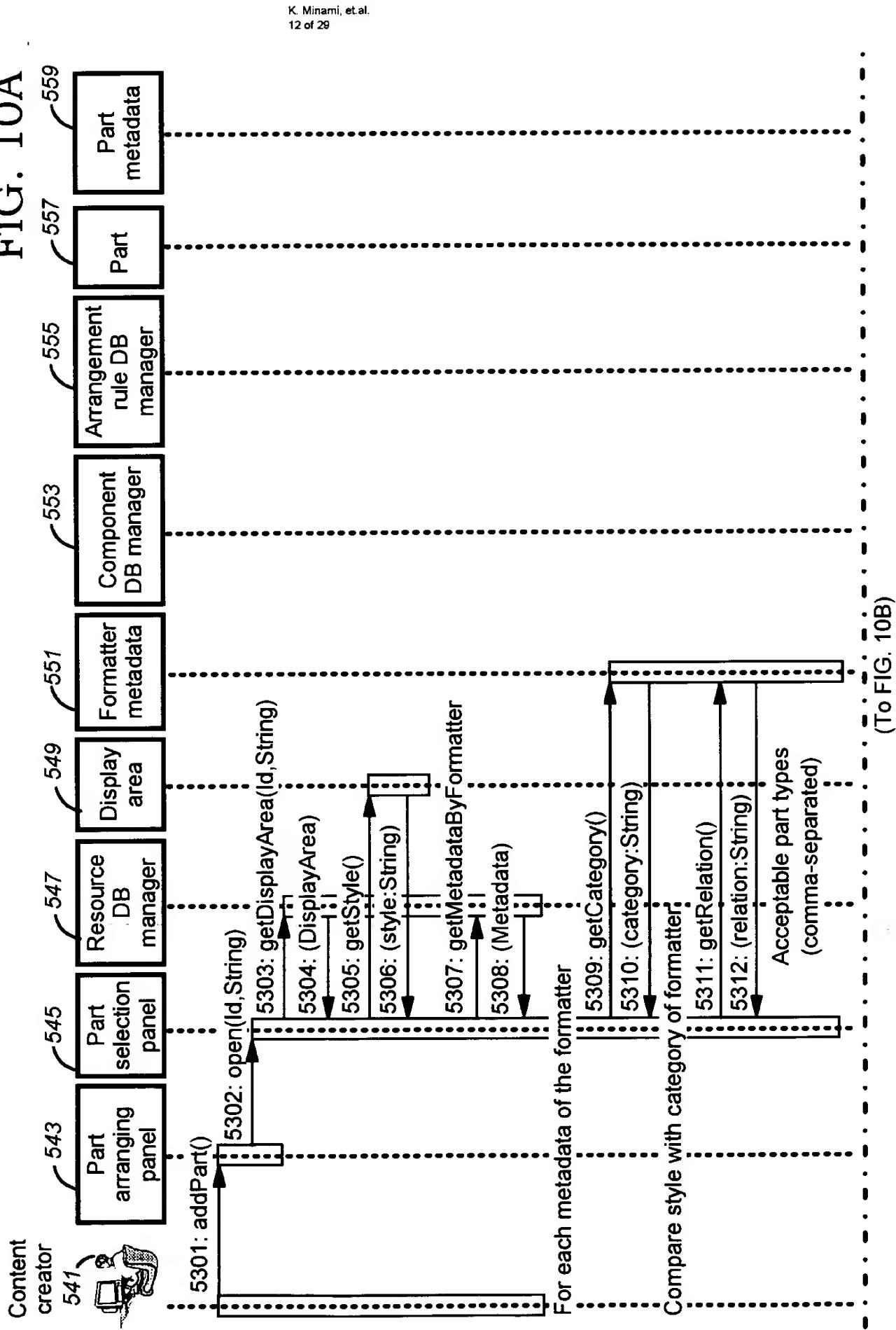


FIG. 10B

(From FIG. 10A)

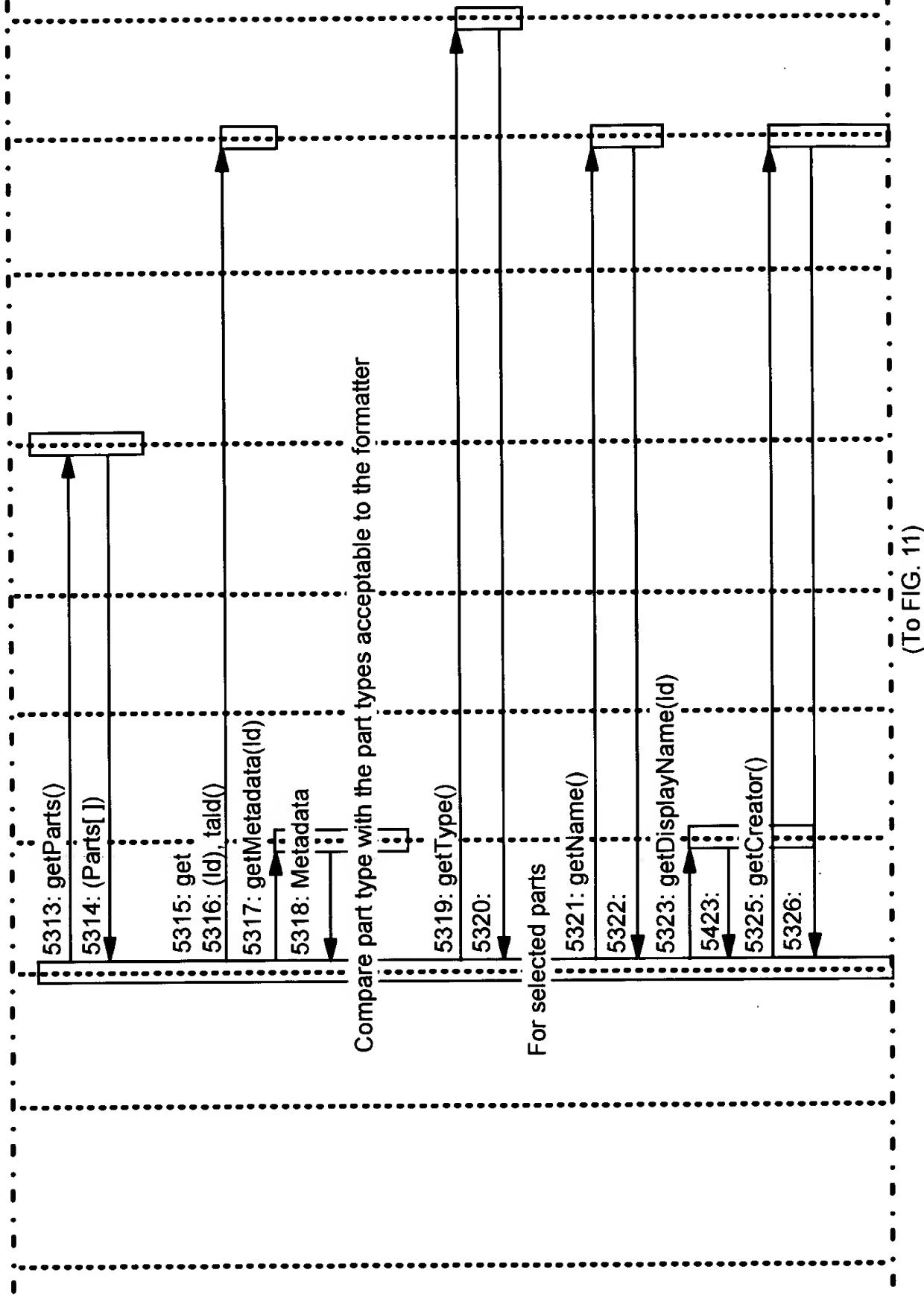


FIG. 11

(From FIG. 10B)

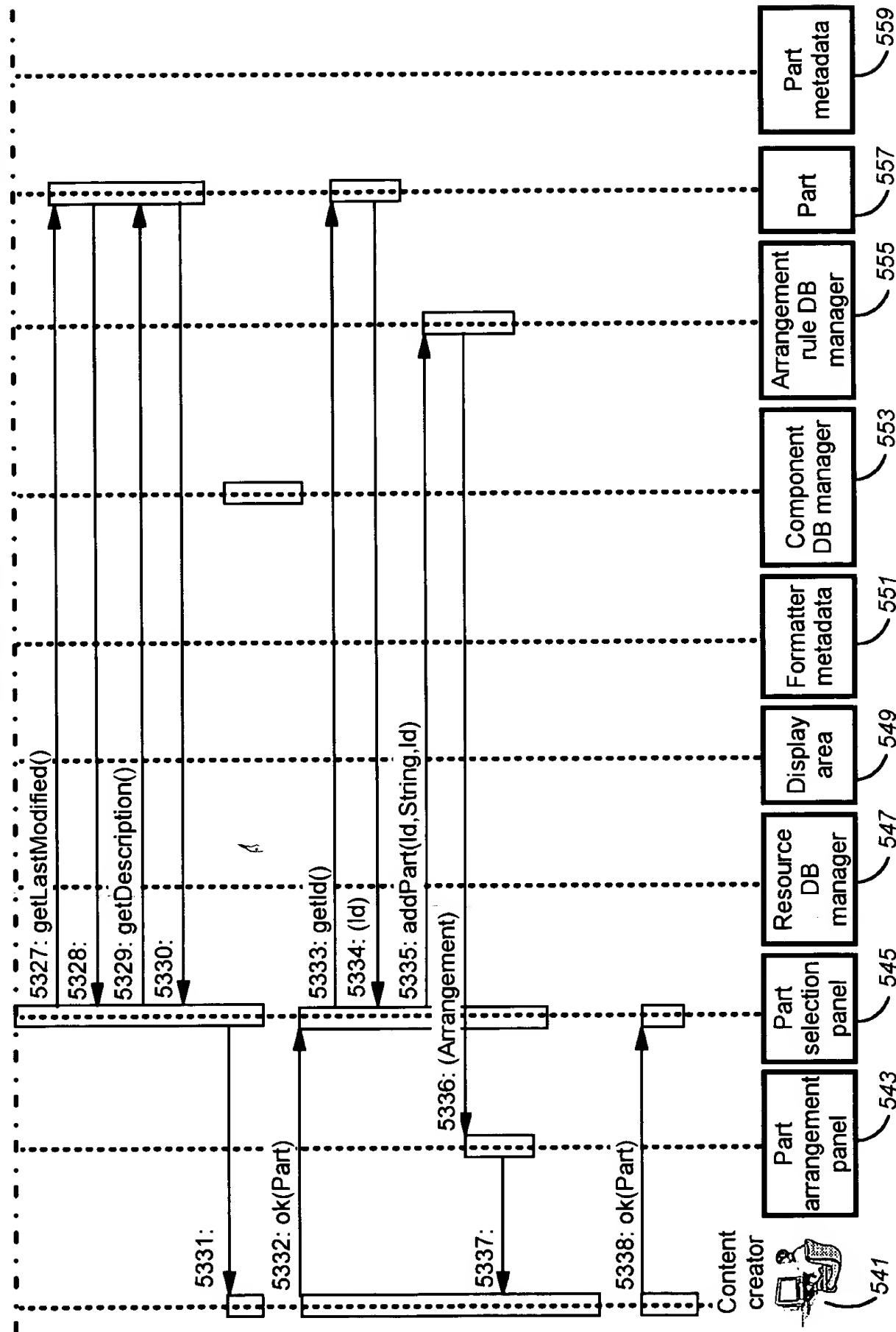


FIG. 12

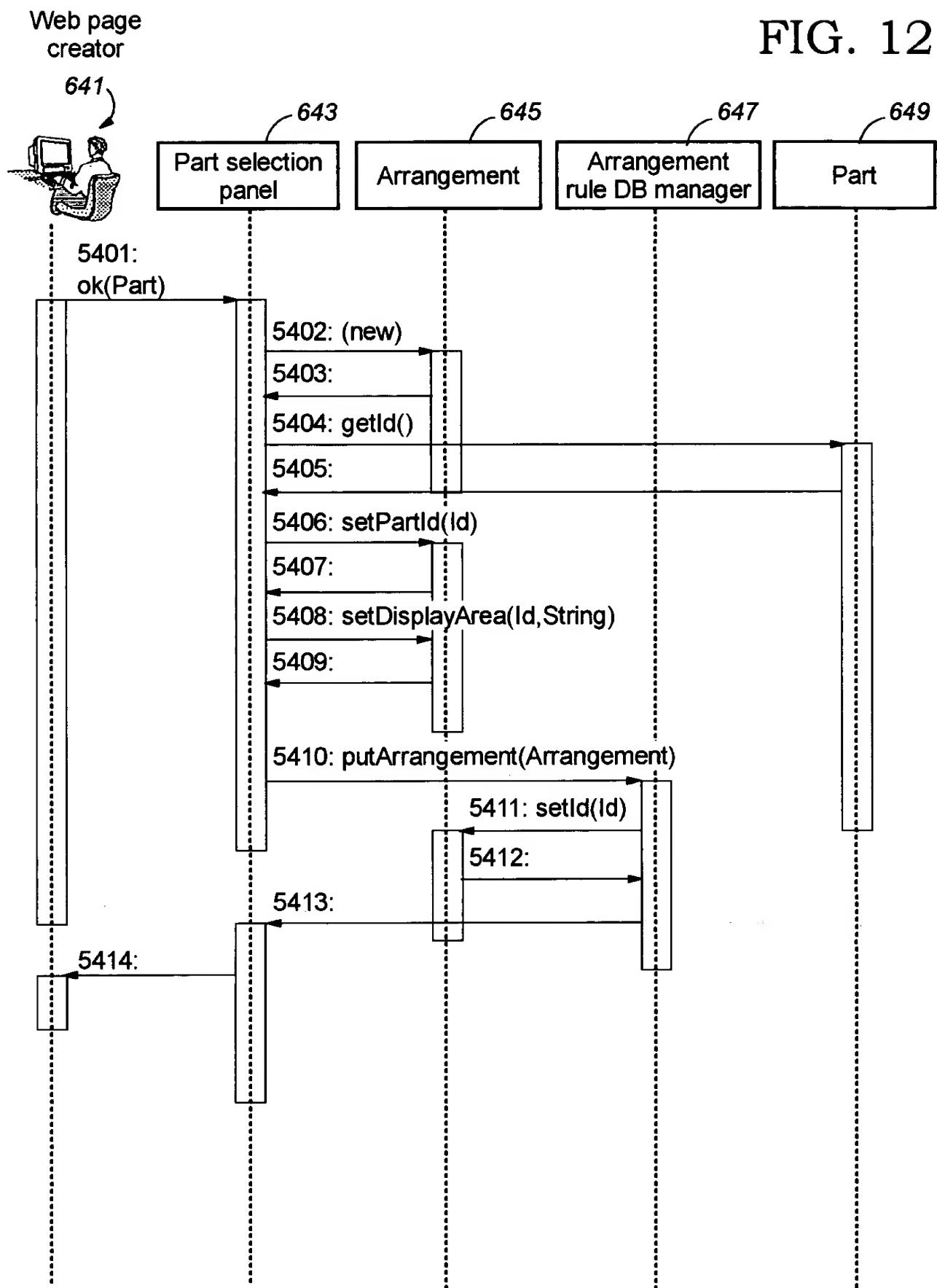


FIG. 13

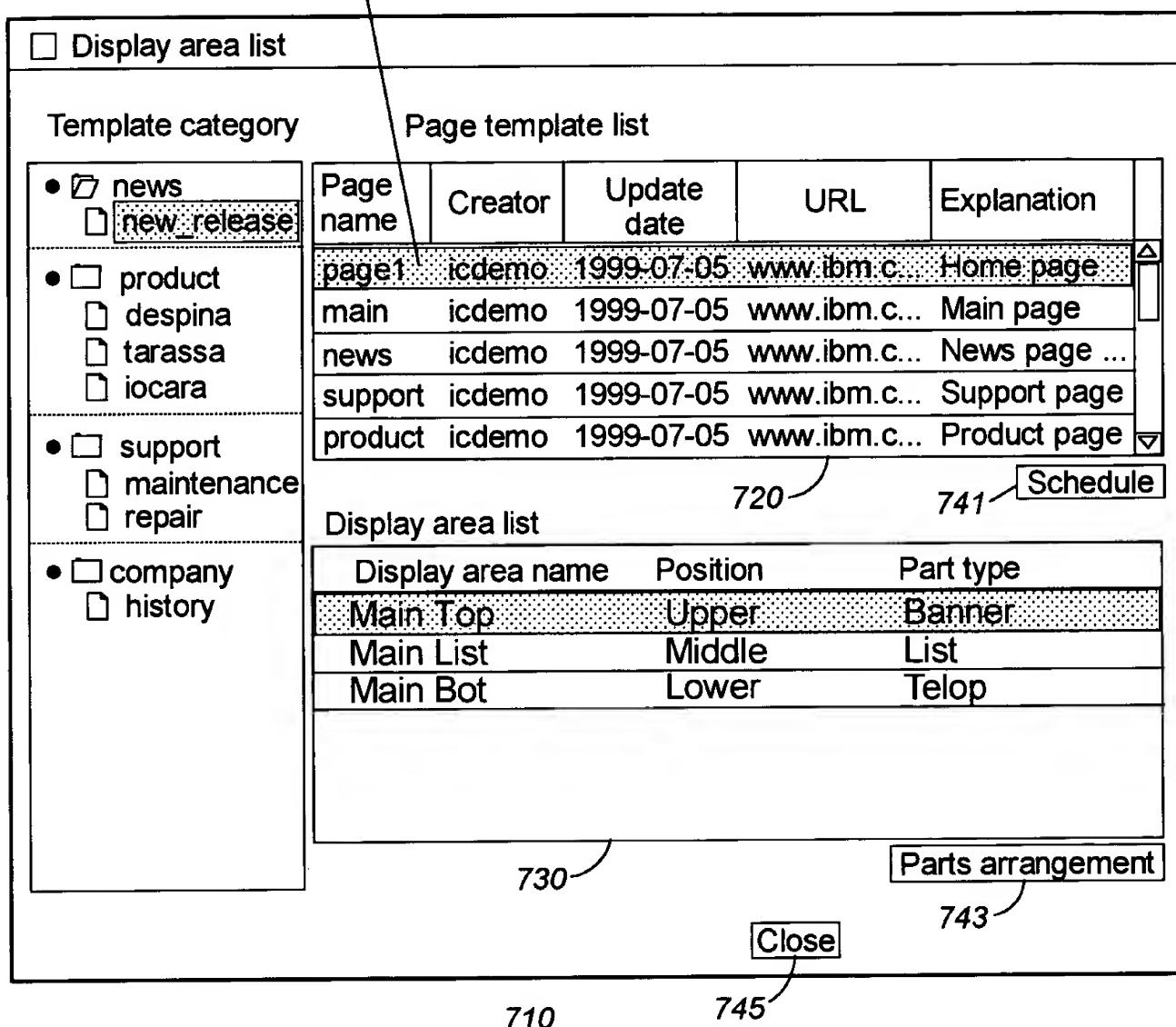


FIG. 15

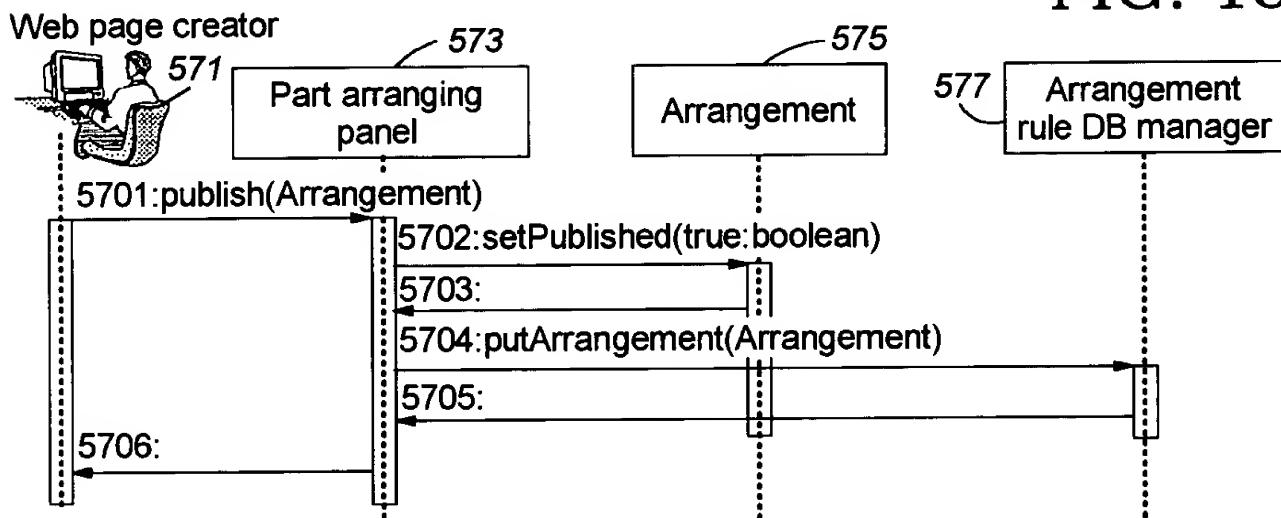


FIG. 14

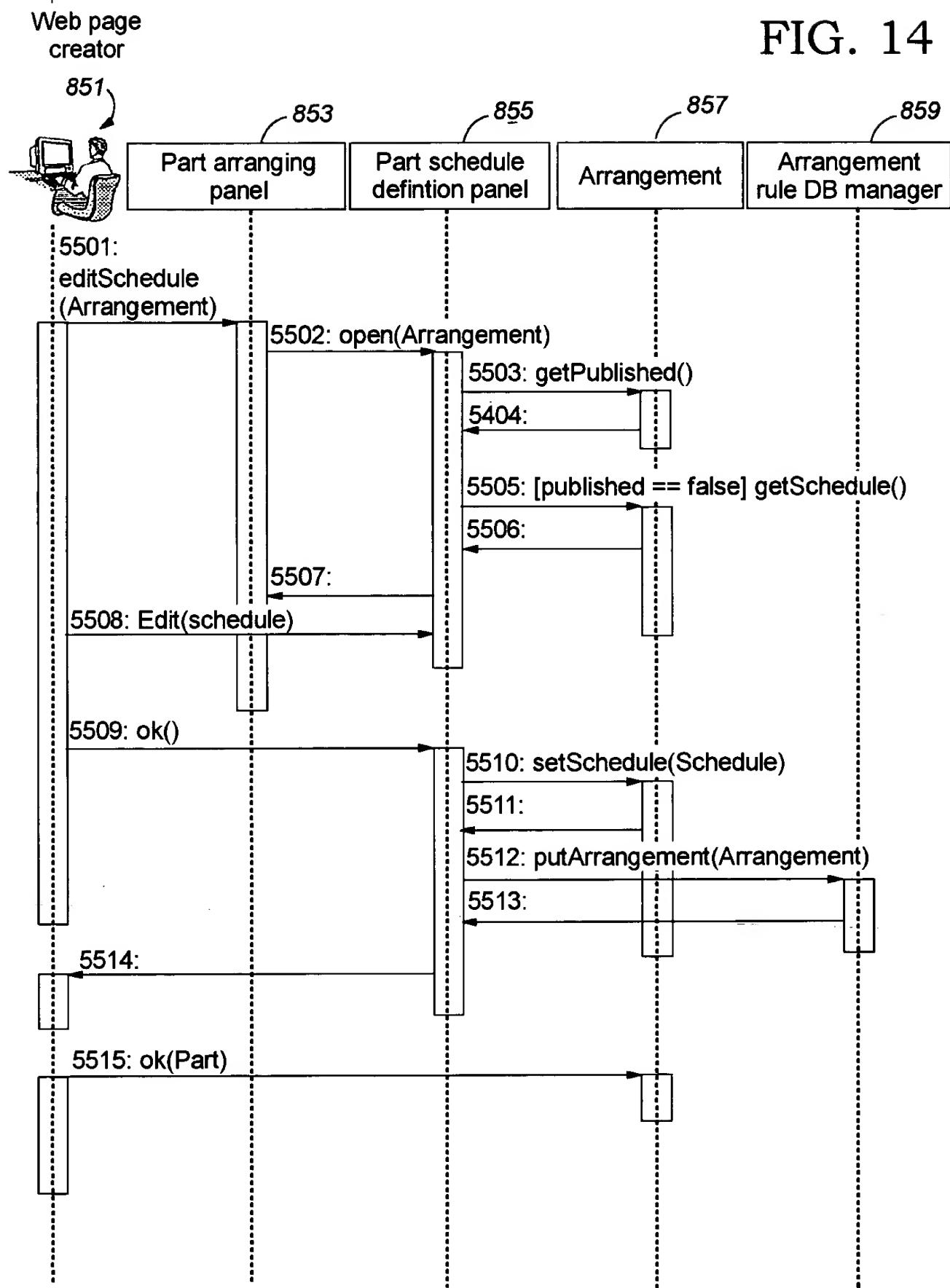


FIG. 16A

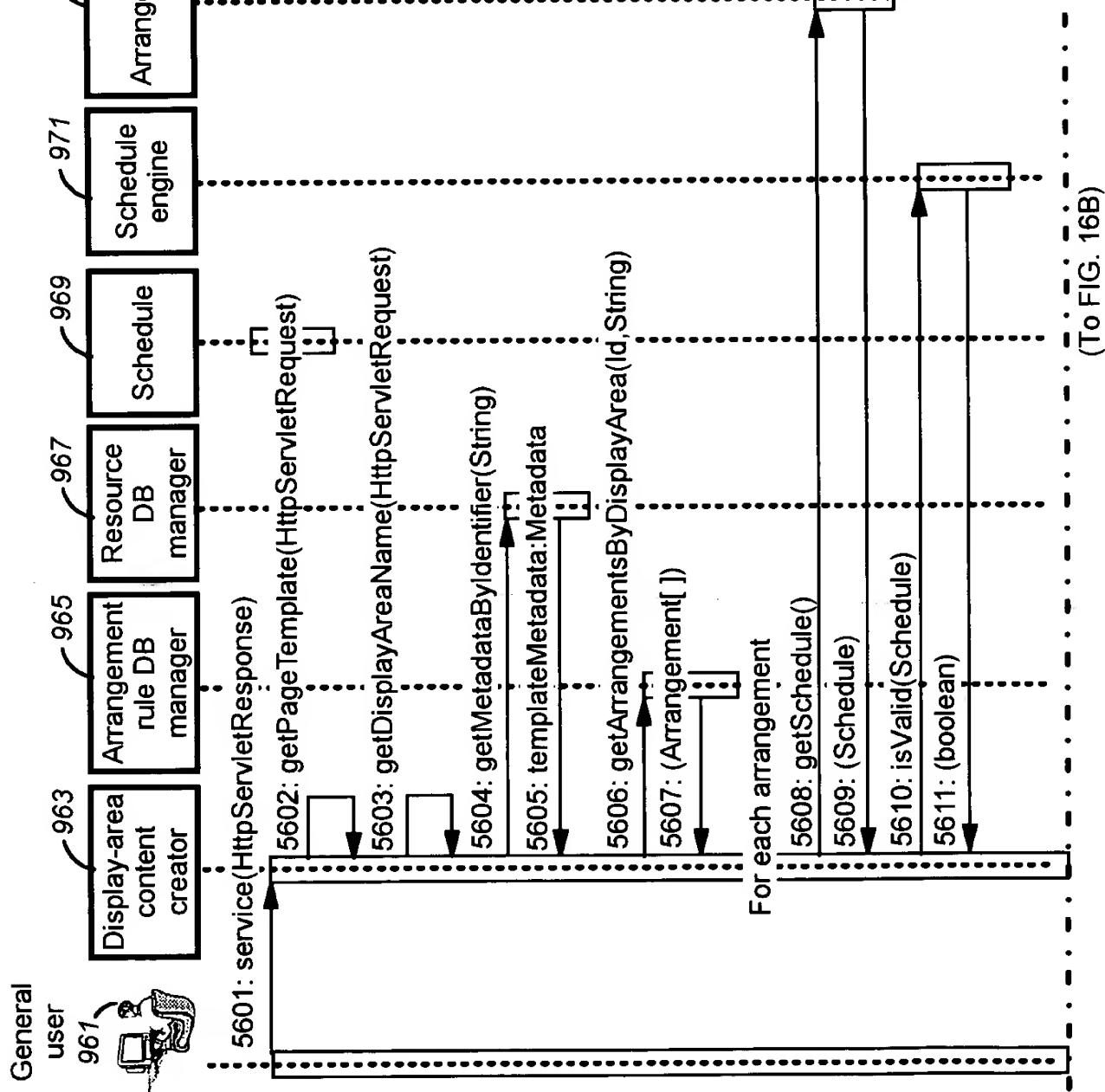


FIG. 16B

(From FIG. 16A)

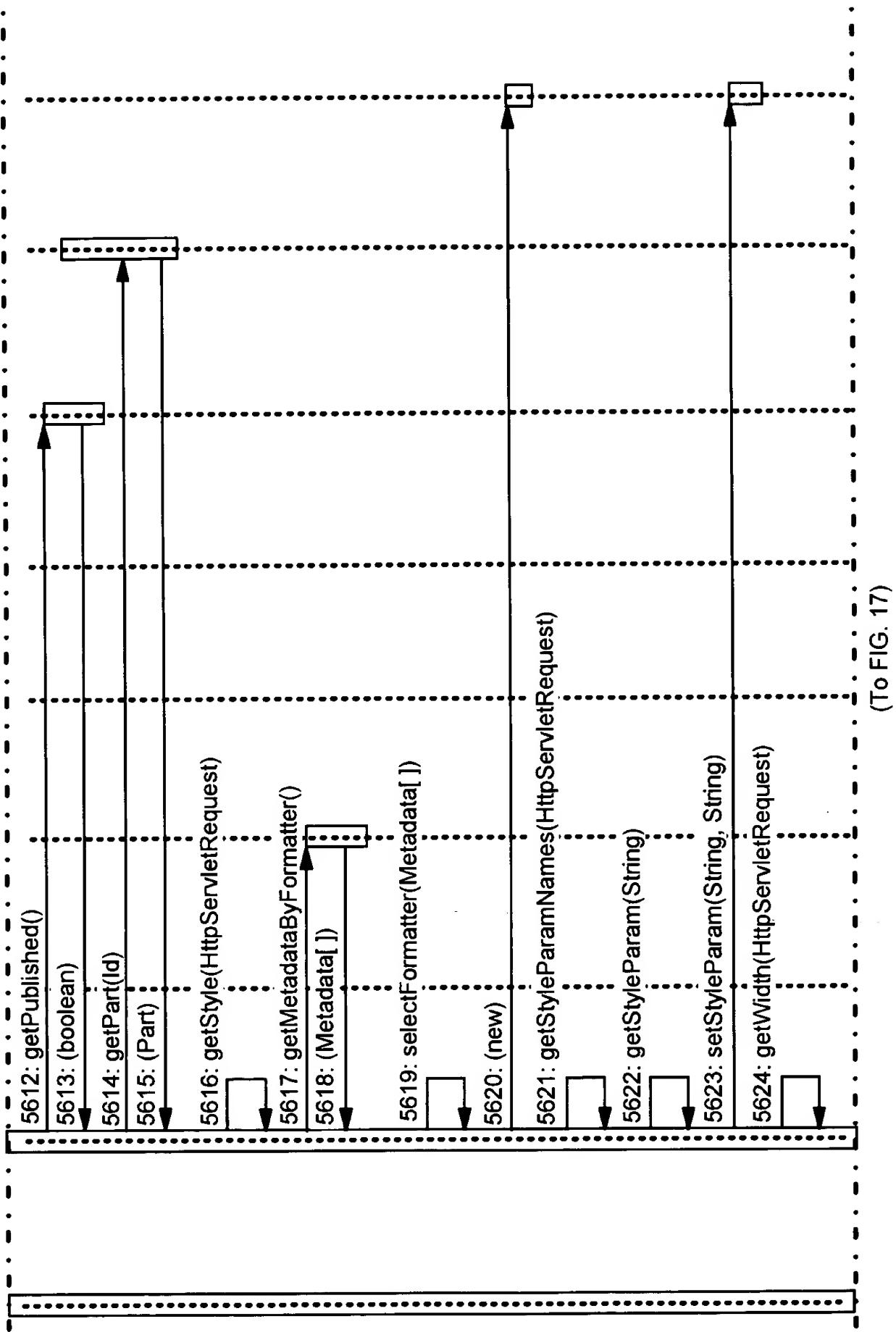


FIG. 17

(From FIG. 16B)

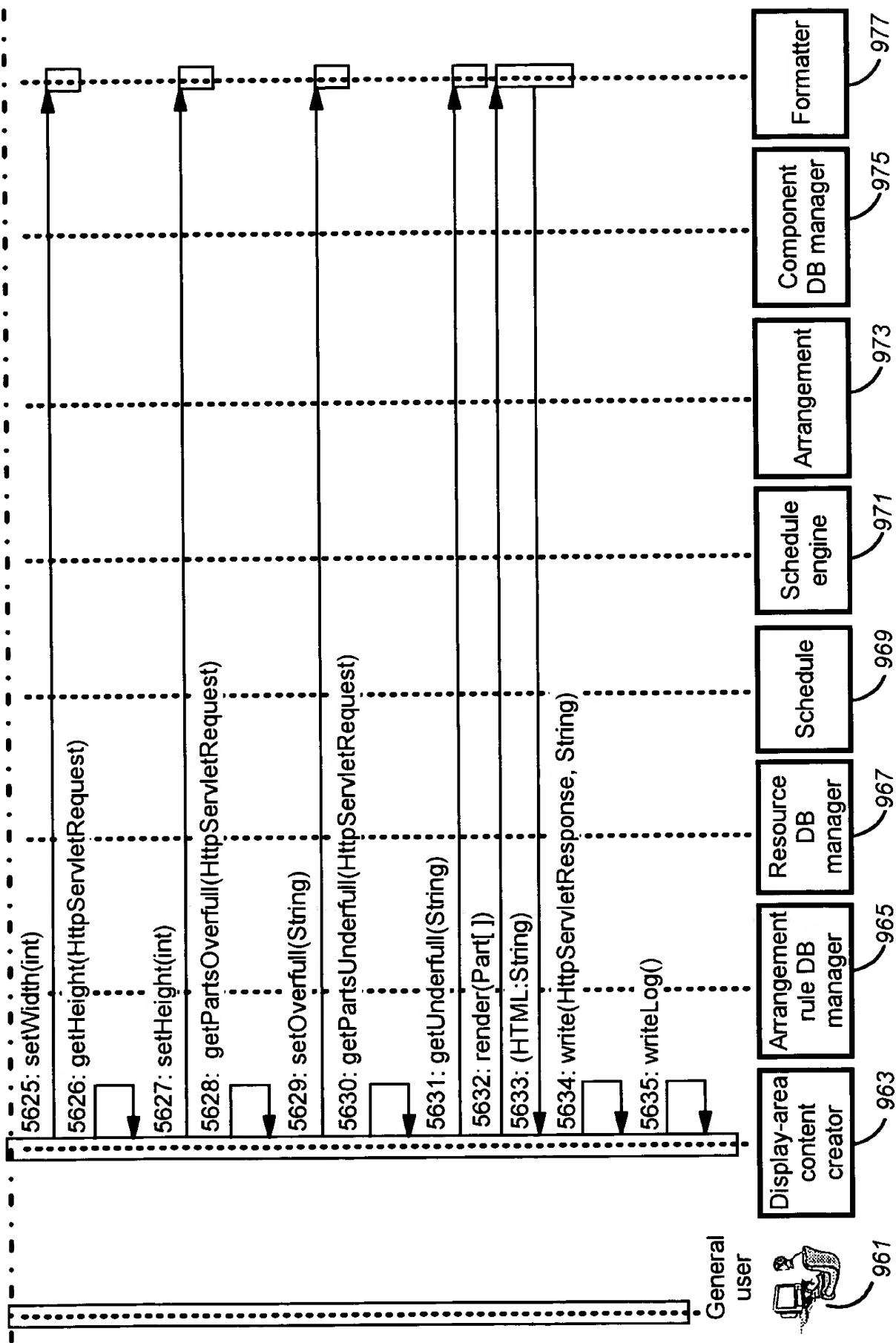


FIG. 18

```
<SERVLET code=icdacrt codebase=servlet>
  <PARAM NAME="name" VALUE="product_ad"> 701
  <PARAM NAME="style" VALUE="bannerFlow">
  <PARAM NAME="direction" VALUE="horizontal">
  <PARAM NAME="bgColor" VALUE="Gray">
  <PARAM NAME="width" VALUE="300">
  <PARAM NAME="height" VALUE="80">
  <PARAM NAME="position" VALUE="top">
  <PARAM NAME="default" VALUE=<IMG SRC='default_img.gif'>>
  <PARAM NAME="partsOverfull" VALUE="random">
  <PARAM NAME="partsUnderfull" VALUE="shrink"> 703
</SERVLET>
```

Example of display area in practical use 700

FIG. 19

Part ID	Part display area name	Part template ID	START	END	Publish
0001	product_ad	1001	1999-01-01 0:00	1999-07-01 0:00	1
0002	product_ad	1002	1999-07-01 0:00	2000-01-01 0:00	1
0003	product_inf	1003	1999-08-01 4:00	1999-09-20 23:00	0
.
.
.

Arrangement rule DC 710

FIG. 20

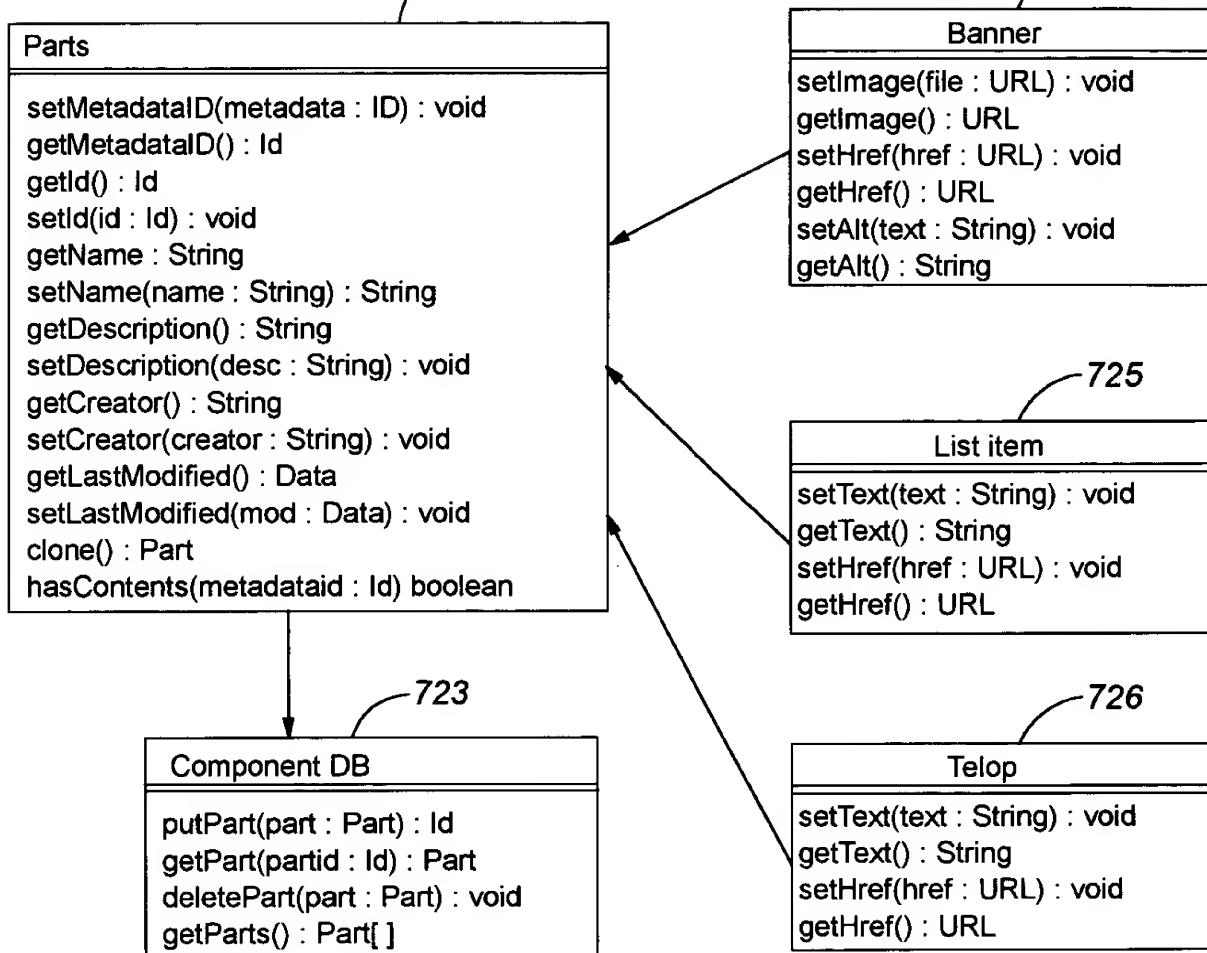


FIG. 21

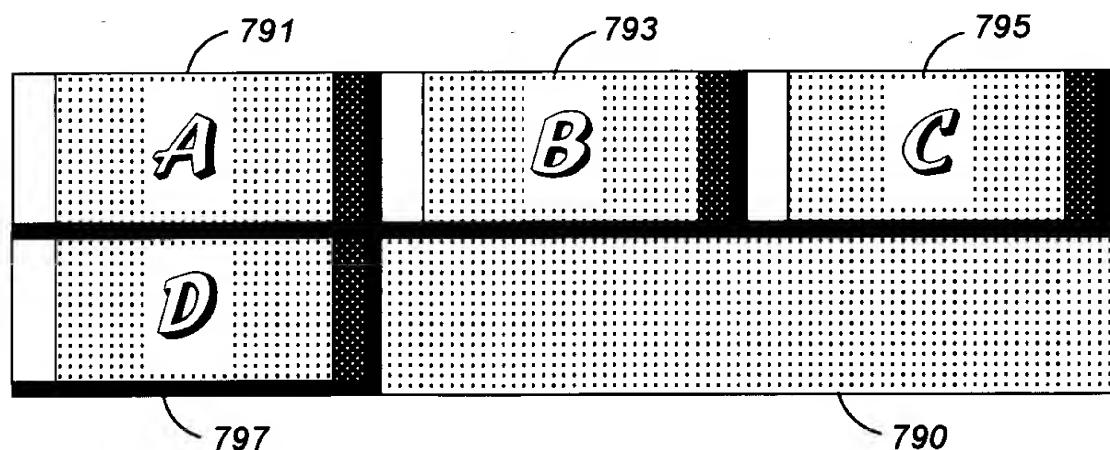


FIG. 22

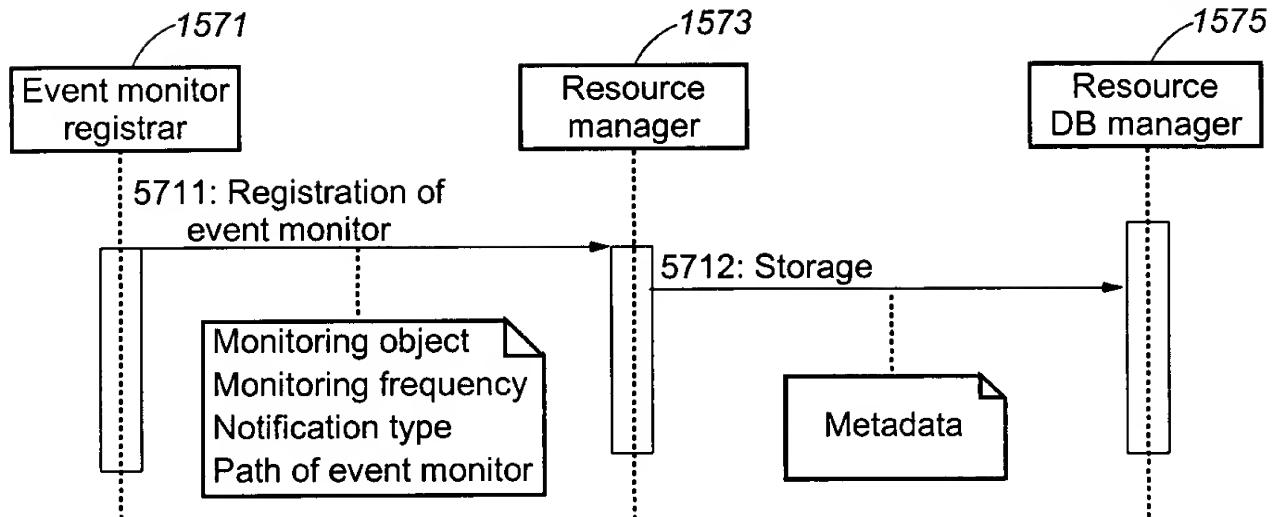


FIG. 23

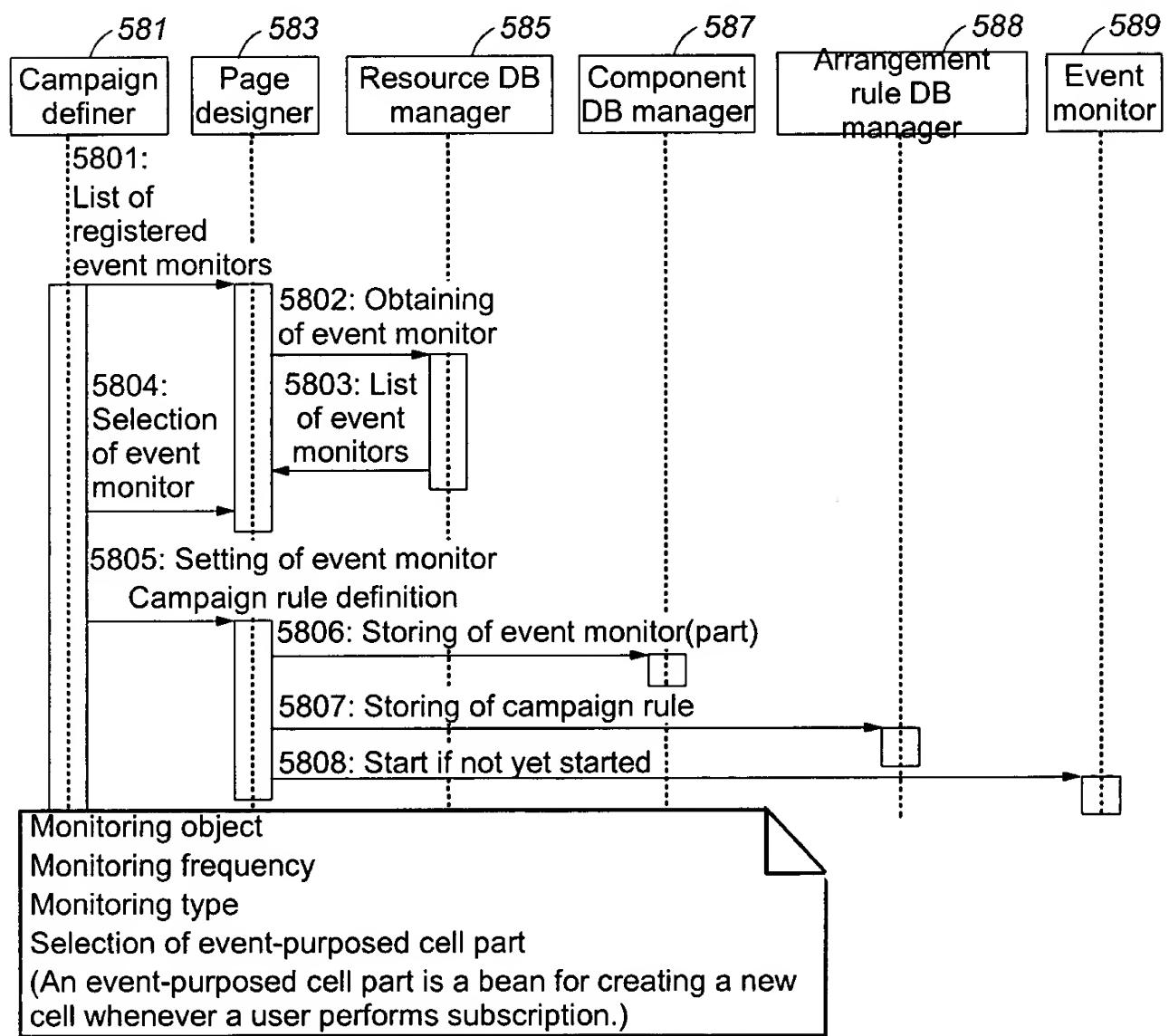


FIG. 24

Part type	Part ID	Part display area name	Page template ID	START	END	Publish	Event flag	Cell part ID
Banner	0001	product_ad	1001	1999-01-01 0:00	1999-07-01 0:00	1	1	2001
Banner	0002	product_ad	1002	1999-07-01 0:00	2000-01-01 0:00	1	1	2001
Telop	0003	product_inf	1003	1999-08-01 4:00	1999-09-20 23:00	0	0	2001
Event	0004						1	2003
.
.
.

1720
Arrangement rule DB

FIG. 26

User ID	Cookie	E-mail address	User profile

1740
User control DB

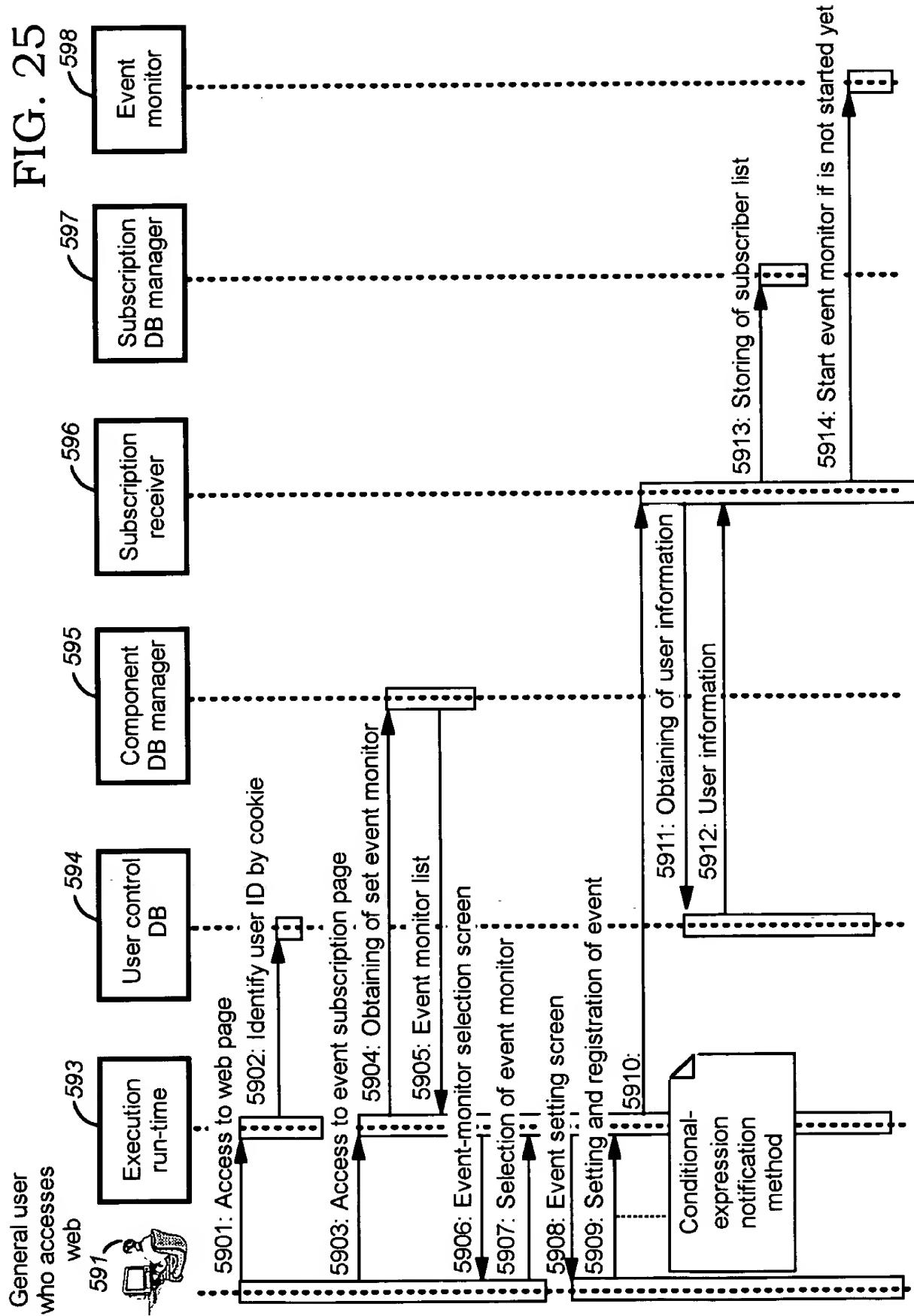


FIG. 27

Subscription ID	User ID	Part ID	Conditional expression	Notification type	Campaign flag

750
Subscription DB

FIG. 28A

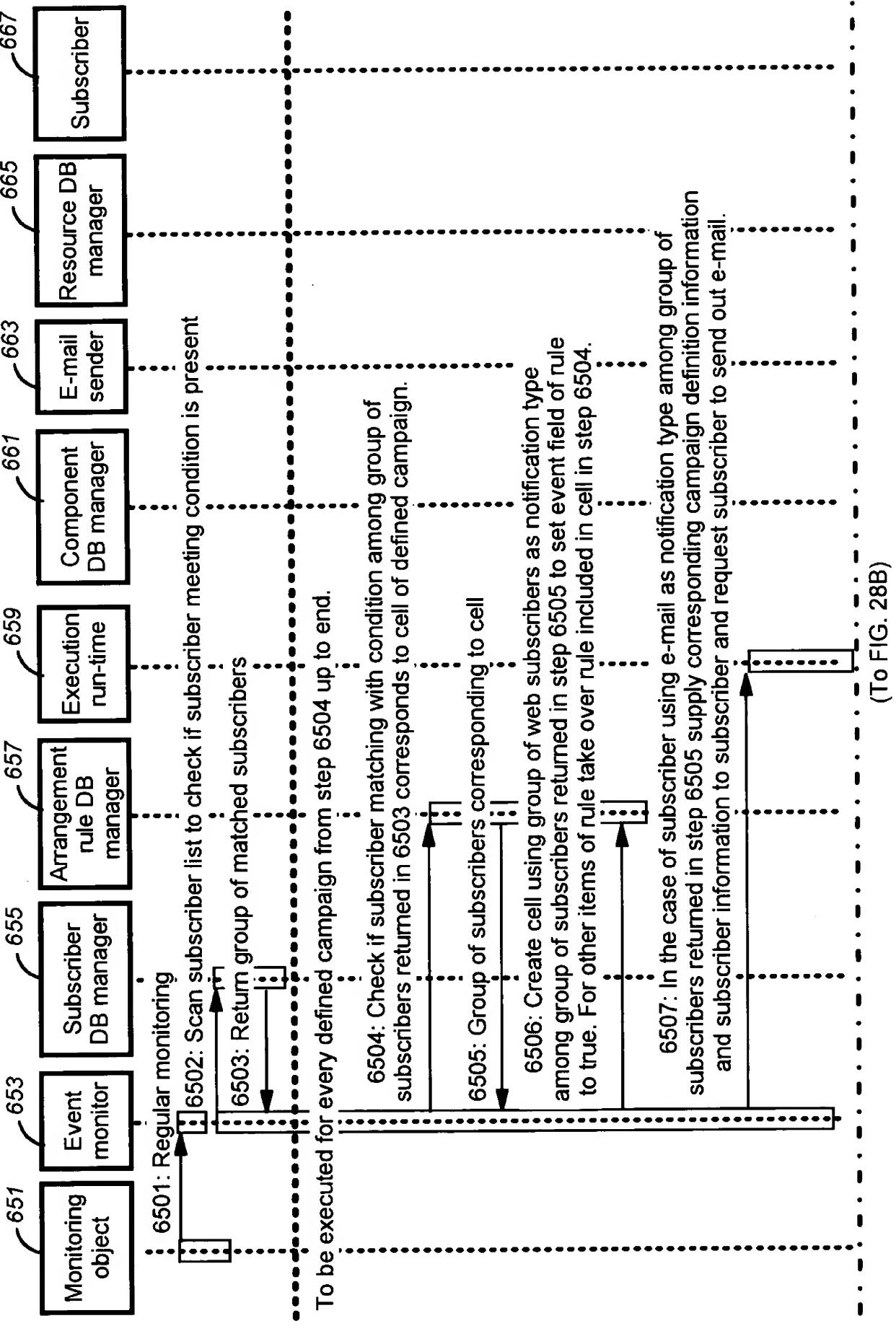


FIG. 28B

(From FIG. 28A)

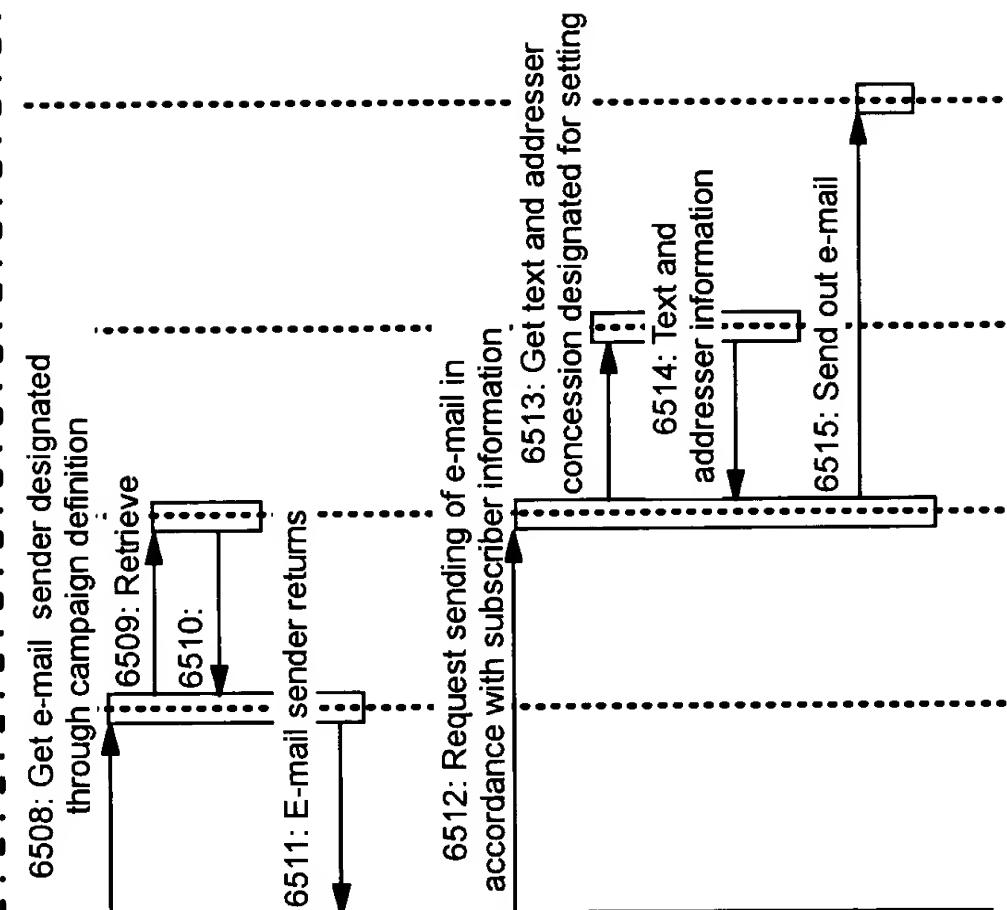


FIG. 29
(prior art)

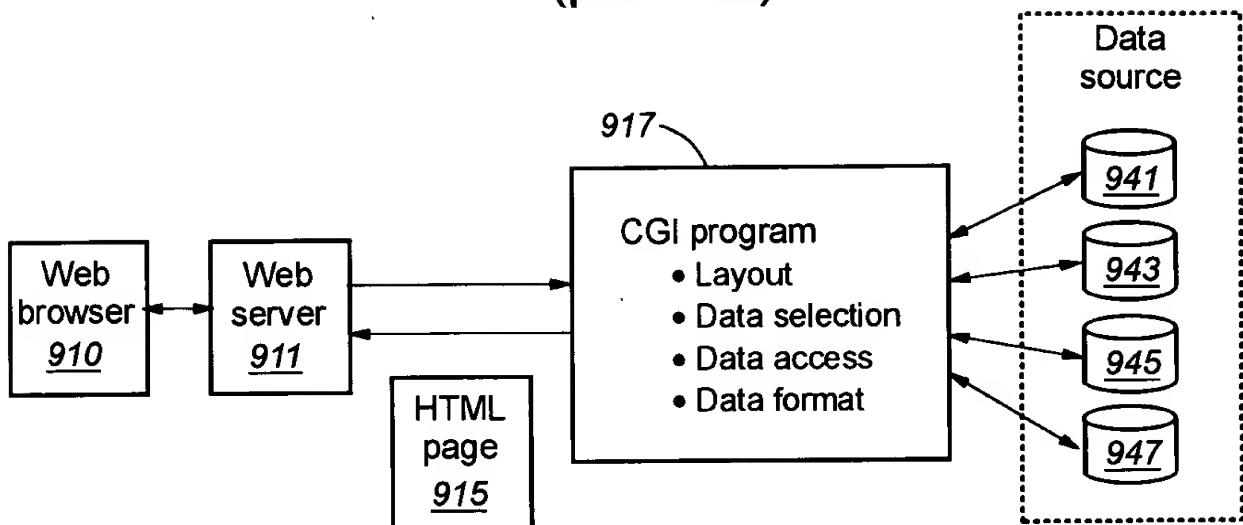


FIG. 30
(prior art)

